ZyXEL G-302

(Hardware Revision v2)

802.11b/g Wireless PCI Adapter

Quick Start Guide

Version 1.0

May 2005

ZyXEL

Unleash Networking Power

Important Note

Federal Communications Commission (FCC) Interference Statement

FCC Certification

The United States Federal Communication (FCC) and the Canadian Department of Communications have established certain rules governing the use of electronic equipment.

Part 15, Class B

The device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operations.

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

If this equipment does cause harmful interference to radio/television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.

3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Caution

1. To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
2. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

About Your ZyXEL G-302

Thank you for purchasing ZyXEL G-302! The ZyXEL G-302 is an IEEE 802.11g compliant wireless LAN PCI Adapter that fits into any PCI slot. With the G-302, you can enjoy the benefits of wireless networking with data rates up to 54Mbps.

1. Installation Requirements

Before installation, you must have a computer with the following:

- Pentium II 300MHz or faster
- A minimum of 6 MB available hard disk space
- A minimum of 32 MB RAM
- A CD-ROM drive
- A 32-bit (v2.2) PCI slot
- Windows 98 SE/Me/2000/XP
- Windows 98 SE users may need the Windows 98 SE CD

2. ZyXEL Wireless LAN Utility Installation

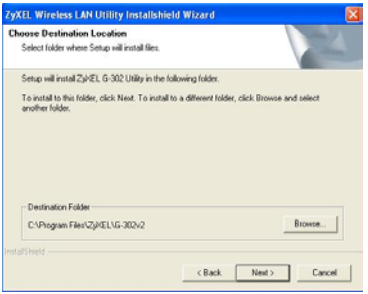
The installation procedures are similar for all supported Windows versions. Windows XP screen shots are shown unless otherwise specified.

> ***DO NOT* install the ZyXEL G-302 at this point.**
>
> **The G-302 Utility should be installed first.**

1. Insert the support CD into the CD-ROM drive on your computer. The CD automatically runs. Otherwise, locate and double-click **setup.exe**.
2. Click **Install Utility** to start installation.

3. A welcome screen displays. Click **Next**.

4. Click **Next** to accept the default file location or click **Browse** to select an alternate folder.


ZyXEL Wireless LAN Utility Installshield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install ZyXEL G-302 Utility in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ZyXEL\G-302v2
Browse...
InstallShield
< Back
Next >
Cancel

5. Click **Finish** to restart your computer.
6. After the utility installation is completed, the Z icon will appear in your system tray.

7. Power off your computer and peripheral device(s), such as the printer in order to install the hardware. Then disconnect the computer power cord from the power source.
   (Please follow the section 3 for Hardware Installation)

3. Hardware Installation

Follow the steps below to install the ZyXEL G-302 in your computer.

1. Ground yourself by wearing an anti-static wrist strap or touching a metal object. Remove the computer cover.
2. Remove the ZyXEL G-302 from the package and insert the ZyXEL G-302 into an available PCI slot. Make sure the ZyXEL G-302's contacts are fully seated in the PCI slot.
3. Secure the ZyXEL G-302 to the computer with a bracket screw.

4. Attach the included antenna to the ZyXEL G-302. The antenna should be perpendicular to the ground.
5. Replace the computer cover and power on your computer.
6. Double click the Z icon to configure your wireless adapter.

If the ZyXEL Z icon displays, the ZyXEL G-302 is installed properly. Refer to the *User's Guide* to configure the ZyXEL G-302.

Important Notice:

For users who need enhanced security settings for WPA, WPA-PSK and 802.1x as well as connecting from the wireless client to the corporate RADIUS server, you need to install Funk Odyssey Client software as well.

LED Display

The following table describes the LEDs on the ZyXEL G-302.

LED	COLOR	STATUS	DESCRIPTION
PWR	Green	On	The ZyXEL G-302 is powered.
		Off	The ZyXEL G-302 is not powered.
LINK	Green	Blinking	The ZyXEL G-302 is receiving or sending data.
		Off	The ZyXEL G-302 is not receiving or sending data.

Troubleshooting

PROBLEM	CORRECTIVE ACTION
LED PWR is off when inserting the ZyXEL G-302 into the PCI slot.	Make sure the ZyXEL G-302 is properly inserted. Try to Insert the ZyXEL G-302 again.
LED LINK is off when the LED PWR is on.	Please check and make sure your AP/Router is up and running. Make sure you are in the coverage of the AP/Router you connect to.
Windows does not auto-detect the ZyXEL G-302.	Make sure the ZyXEL G-302 is inserted into the computer PCI slot properly and then restart your computer. Check the LEDs on the ZyXEL G-302.
	Perform a hardware scan by clicking **Start**, **Settings**, **Control Panel** and double-clicking **Add/Remove Hardware**. (Steps may vary depending on the version of Windows). Follow the on-screen instructions to search for the ZyXEL G-302 and install the driver.
	Check for possible hardware conflicts. In Windows, click **Start**, **Settings**, **Control Panel**, **System**, **Hardware** and then click **Device Manager**. Verify the status of the ZyXEL G-302 under **Network Adapter**. (Steps may vary depending on the version of Windows).
	Install the ZyXEL G-302 in another computer. If the error persists, you may have a hardware problem. In this case, you should contact your local vendor.

Please see your *User's Guide* for more Troubleshooting details.